

Medallion Plus[®] SS 3820 Metalworking Coolant

PRODUCT DESCRIPTION

Medallion Plus SS 3820 is an emulsifiable, semi-synthetic cutting and grinding fluid. SS 3820's biostable formula ensures long sump life and resistance to rancidity without the use of harmful bactericides. The sulfonate-free emulsifier system ensures excellent stability in hard water, but is sufficiently balanced to minimize foam in soft water. Compared to other metalworking coolants, Medallion Plus SS 3820 is nearly odorless, clean running, gentle on the skin, and safe for workers when properly maintained.

Medallion Plus SS 3820 is intended for extremely difficult machining and grinding applications on tough metals like stainless steels, titanium, exotics, tool steels, and most aluminum alloys. It is not recommended for brass due to the possibility of staining. It is ideally suited for metalworking facilities where a single fluid is desired for a wide range of difficult machining operations on a variety of tough metals. High oil content and EP additives ensure excellent tool life and surface finish in critical machining operations on low-machinability metals.

PERFORMANCE FEATURES

Medallion Plus SS 3820 offers:

- Low to non-irritating formula. Protects workers from skin and breathing issues.
- Heavy-Duty, multi-metal capabilities (EP)
- Sulfonate-free emulsifier system for excellent stability and low-foaming performance
- Biostable formula for excellent rancidity control with no harmful bactericides
- Excellent detergency for clean-running machines and sumps
- Excellent rust protection at concentrations as low as 4%
- Low odor formula that is non-irritating to workers

TYPICAL ANALYSIS

Property	Value
Appearance	Clear amber liquid
Specific Gravity @ 72F	0.94 -0.97
pH (diluted 5% in water)	8.5 - 9.0
Use Concentration: Grinding	4% - 5%
Use Concentration: Cutting	5% -8%
Chlorinated Additive	Present
Refractometer multiplier	1.0

HEALTH & SAFETY

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your Customer Service Center. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.

